

1 Claims

2 I claim

- 3 1. A method for accelerating the clearance of hemorrhagic blood from the vitreous humor
4 of a mammalian eye, comprising the step of;
5 injecting into the vitreous humor a solution which contains hyaluronidase from
6 *Streptomyces hyalurolyticus* to provide a dose of at least 10 Turbidity Reducing
7 Units (TRU) of said hyaluronidase, said solution being:
8 i) essentially free of contaminating protease.
- 9 2. A method of treating eye disorders comprising the step of applying essentially protease-
10 free hyaluronidase from *Streptomyces hyalurolyticus* to the eye.
- 11 3. The method of claim 2, wherein treating of an said eye disorder is the clearing
12 hemorrhagic blood from the vitreous humor of a mammalian eye by using essentially
13 protease-free hyaluronidase from *Streptomyces hyalurolyticus* the amount of the
14 hyaluronidase being sufficient to clear the blood.
- 15 4. The method of claim 2, wherein said treating of an eye disorder is the softening the
16 cornea of a mammalian eye prior to refractive correction by using essentially protease-
17 free hyaluronidase from *Streptomyces hyalurolyticus*, the amount of the hyaluronidase
18 being sufficient to soften the cornea.
- 19 5. The method of claim 2, wherein said treating of an eye disorder is the spreading local
20 anesthesia more effectively through ocular tissue prior to surgical interventions by using
21 essentially protease-free hyaluronidase from *Streptomyces hyalurolyticus* the amount of
22 the hyaluronidase being sufficient to spread anesthesia.

- 1 6. The method of claim 2, wherein said treating of an eye disorder is the isolating of
2 collagen to produce contact lenses by using hyaluronidase from *Streptomyces*
3 *hyalurolyticus*.
- 4 7. The method claim 2, wherein said treating of an eye disorder is the stimulating the flow
5 of physiological fluids in the eye which comprises contacting a physiological fluid of the
6 eye with a hyaluroinidase from *Streptomyces hyalurolyticus*, the amount of the
7 hyaluronidase being sufficient to stimulate the flow of said fluid.
- 8 8. The method of claim 7 wherein the physiological fluid in the eye is contacted for the
9 treatment of glaucoma, thrombosis, detached or impending detached retina, or for the
10 non-surgical removal of obstructions.